

Sample Information

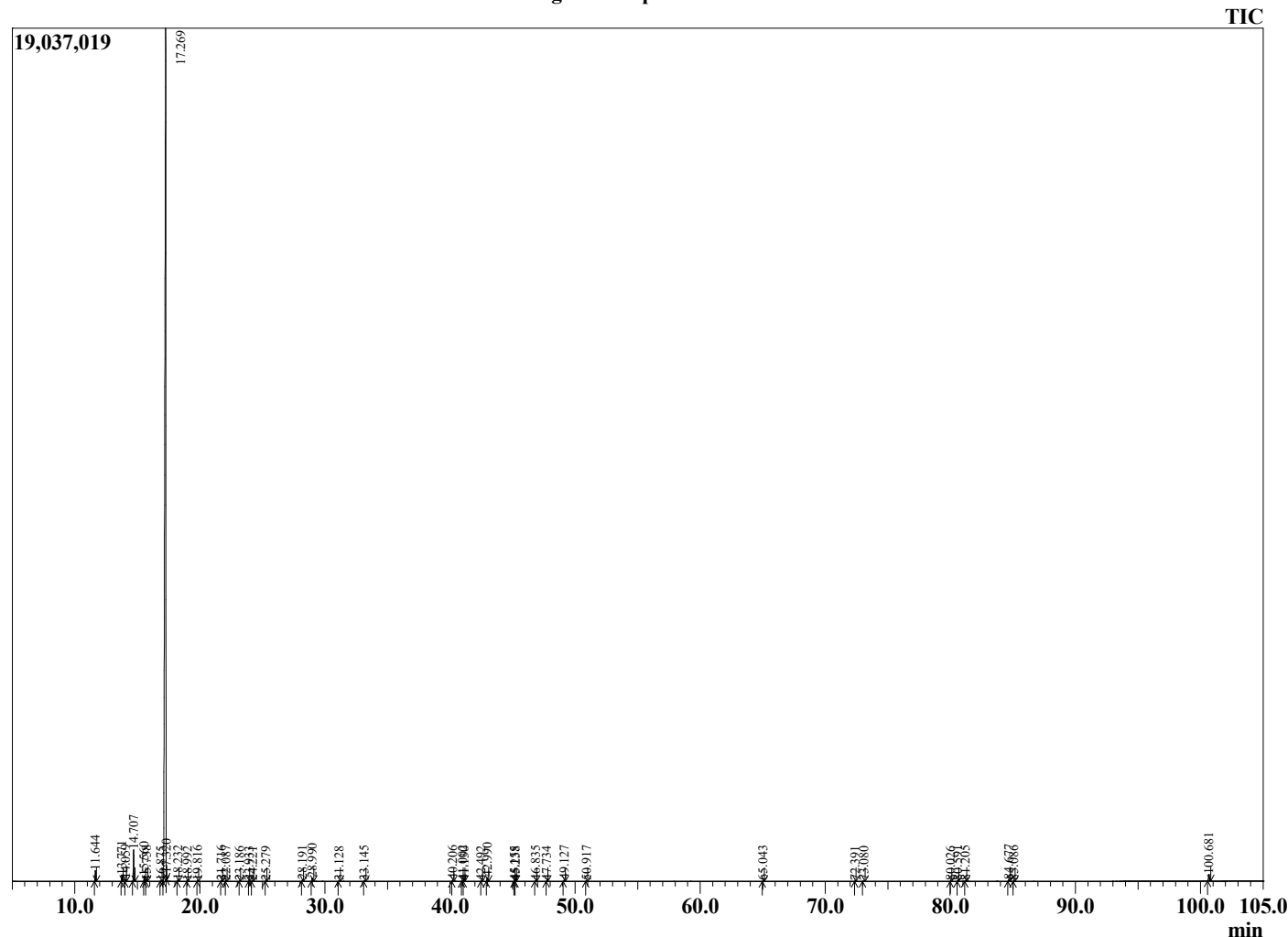
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/28/2022 11:54:49 AM
 Sample Type : Essential Oil
 Sample Name : Grapefruit Oil - Revive
 Sample ID : 8D
 Injection Volume : 0.10
 Instrument ID: : GC-2



Peak Report TIC

R.Time	Name	Area%
11.644	alpha-Pinene	0.56
13.771	Sabinene	0.33
14.059	beta-Pinene	0.11
14.707	Myrcene	1.85
15.560	Octanal	0.31
15.738	alpha-Phellandrene	0.03
16.875	para-Cymene	0.03
17.269	Limonene	94.34
17.320	beta-Phellandrene	0.10
18.232	trans-beta-Ocimene	0.08
18.992	gamma-Terpinene	0.01
19.816	Octanol	0.03
21.716	Linalool	0.07
22.087	Nonanal	0.04
23.186	trans-para-Mentha-2,8-dienol	0.01
23.933	cis-Limonene oxide	0.01
24.221	trans-Limonene oxide	0.03
25.279	Citronellal	0.03
28.191	alpha-Terpineol	0.09
28.990	Decanal	0.24
31.128	Neral	0.03
33.145	Geranial	0.05
40.206	alpha-Copaene	0.08
41.002	beta-Cubebene	0.07
41.130	beta-Elemene	0.02
42.492	Dodecanal	0.01
42.990	beta-Caryophyllene	0.30
45.155	trans-beta-Farnesene	0.02
45.238	alpha-Humulene	0.03
46.835	Germacrene D	0.05
47.734	Bicyclogermacrene	0.02
49.127	delta-Cadinene	0.08
50.917	alpha-Elemol	0.04
65.043	Nootkatone	0.05
72.391	Isophytol	0.02
73.080	Hexadecanoic acid	0.04
80.026	Phytol	0.02
80.591	Ostole	0.03
81.205	Unidentified	0.03
84.677	Unidentified coumarin	0.11
85.086	Unidentified	0.04
100.681	Aurapten	0.55
		100.00

Chromatogram Grapefruit Oil - Revive



Comments:

The analysis of this Grapefruit batch sample meets the expected chemical profile for authentic essential oil of *Citrus paradisi*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.